Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	540	540 717/100.ccls.		OR	OFF	2006/06/14 17:05
S2	389	717/104.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 11:22
S3 .	483	483 717/116.ccls.		OR	OFF	2006/06/06 11:23
S4	2	2 "6877153".pn.		OR	OFF	2006/06/06 15:35
S7	211	pattern same develop\$4 adj (software or application or program) and object and process	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 17:06
S8	32	business same role same pattern		OR	OFF	2006/06/06 17:12
S9	542 (gui or ui or "user interface") near3 pattern		US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 17:13
S10	58	(gui or ui or "user interface") near3 pattern and "design pattern" and (work or action or business or role or process)		OR ·	ON	2006/06/06 17:14
S11	(gui or ui or "user interface") near3 pattern and "design pattern" and (work or action or business or role or process) adj pattern		US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 17:24

						
S12	31	(gui or ui or "user interface") near3 pattern and "design pattern" and (work or action or business or role or process) adj pattern and collaboration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/06 17:26
S13	1	"6601233".pn. and collaboration	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON.	2006/06/07 10:10
S14	6	"6601233".pn. "20020104068"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 10:11
S15	22	"pattern type" near5 (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:08
S16	6	"design pattern" near3 type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:11
S17	0	(reusable near3 "object oriented") near5 pattern same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:12
S18	3	(business near3 object) near5 pattern same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:15
S19	16	(business near3 process) near5 (object or framework or pattern) same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:28
S20	61	(business near3 phase) and (object or framework or pattern) same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR .	ON	2006/06/14 17:29
S21	190	business near3 (phase or object or framework or pattern) same type same (requirement or specification)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/14 17:29

		LAST Searci	,			
S22	1	("6269473").PN. OR ("7000219"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:37
S23	32721	configur\$5 near5 pattern	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:38
S24	81	(configur\$3 near3 pattern) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:57
S25	1310	work near3 (flow role process) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 17:58
S26	965	work near2 (flow role process) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 18:00
S27	296	work adj (flow role process) same (requirement or specification)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/14 18:07
S28	1	"6370681".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 10:58
S29	40	"digital dashboard"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 10:58
S30	40	"digital dashboard" and (object or library or repository or framework or role or process)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/15 10:59
S31	473	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 17:11
S32	182	(identif\$7 near5 type) and (pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework)	US-PGPUB; USPAT; EPO; JPO; DERWENT;	OR	ON	2006/12/06 16:53
		object) and (pattern or framework) near3 (process or task or method or step)	IBM_TDB			·
·S33	148	(identif\$7 near5 type) and (pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and (requir\$5 near3 (software or application or develop\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 16:54

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S34		(identif\$7 near5 type) and (pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and (requir\$5 near3 (software or application or develop\$4)) and ((pattern or framework) near3 best) same require\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 16:55
S35	. 82	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/06 17:23
S36	56	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:12
S37	56	(pattern or framework) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:12
S38	60	(pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:13
S39	8	(pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and 717/1??.ccls. and requirements near3 (configur\$5 or incorporat\$3 or map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:27

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S40	15	717/108.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur\$5 or incorporat\$3 or map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S41		717/106.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur\$5 or incorporat\$3 or map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S42	5	717/107.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur\$5 or incorporat\$3 or map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON .	2006/12/07 08:29
S43	5	717/109.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur\$5 or incorporat\$3 or map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S44	0	717/110.ccls. and (pattern or framework or template) near3 (ui or gui or "user interface") and (pattern or framework) near3 (generic or nonspecif\$3 or object) and (pattern or framework) near3 (process or task or method or step) and requirements and (configur\$5 or incorporat\$3 or map\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/07 08:29
S45	24	S40 S41 S42 S43 S44	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON ,	2006/12/07 08:30



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Best 200 shown

R

1

1 A model for compound type changes encountered in schema evolution

Barbara Staudt Lerner

March 2000 ACM Transactions on Database Systems (TODS), Volume Publisher: ACM Press

Full text available: pdf(430.66 Additional Information: full citation, abst KB) citings, index ten

Schema evolution is a problem that is faced by long-lived data. When a sexisting persistent data can become inaccessible unless the database syst mechanisms to access data created with previous versions of the schema systems that support schema evolution focus on changes local to individuant schema, thereby limiting the changes that the database maintainer can pedeveloped a model of type changes involving multiple types ...

Keywords: persistent programming languages, schema evolution

2 The use of web structure and content to identify subjectively interesting we Robert Cooley

May 2003 ACM Transactions on Internet Technology (TOIT), Volume Publisher: ACM Press

Full text available: pdf(540.06 Additional Information: full citation, abst KB)

KB)

index terms

The discipline of Web Usage Mining has grown rapidly in the past few y crash of the e-commerce boom of the late 1990s. Web Usage Mining is t data mining techniques to Web clickstream data in order to extract usage all of the resources put into the problem, claims of success have been lin tied to specific Web site properties that are not found in general. One rea success has been a component of Web Usage Mi ...

Keywords: Data mining, Web usage mining, World Wide Web

3 Emergent web patterns: The connectivity sonar: detecting site functionality patterns

Einat Amitay, David Carmel, Adam Darlow, Ronny Lempel, Aya Soffer August 2003 Proceedings of the fourteenth ACM conference on Hypert hypermedia

Publisher: ACM Press

Full text available: pdf(153.40 Additional Information: full citation, abst KB) citings, index ten

Web sites today serve many different functions, such as corporate sites, stores, and so forth. As sites are created for different purposes, their structural connectivity characteristics vary. However, this research argues that sites exhibit similar structural patterns, as the functionality of a site naturally hyperlinked structure and typical connectivity patterns to and from the returns, the functionality of Web sites is refle ...

Keywords: link analysis, web IR, web graphs

4 Section 05: home and neighbourhood: Pattern-based support for interactive settings

Andy Crabtree, Terry Hemmings, Tom Rodden

June 2002 Proceedings of the conference on Designing interactive syste practices, methods, and techniques

Publisher: ACM Press

Full text available: pdf(390.91 Additional Information: full citation, abst KB) citings, index ten

Designing for future domestic environments offers a challenge for every design of new technologies. The move from the office, and working envigeneral, has highlighted the need for new techniques for understanding the conveying findings to technology developers. This paper presents a patter informing the design of technology for future domestic settings. The app the original work of Alexander and seeks to support the on-goin ...

Keywords: domestic environment, ethnography, patterns of action and to

5 Bus encoding and memory optimization: Memory access pattern analysis a

design for multimedia applications

Junghee Lee, Chanik Park, Soonhoi Ha

January 2003 Proceedings of the 2003 conference on Asia South Pacific ASPDAC

Publisher: ACM Press

Full text available: pdf(260.53 KB) Additional Information: full citation, abst

Memory system is a major performance and power bottleneck in embedde especially for multimedia applications. Most multimedia applications acceptated at a structures with regular access patterns. It is observed that convention poorly for stream-type data structure. Therefore, prediction-based prefetchave been extensively researched to exploit the regular access patterns. It however, may pollute the cache if the prediction is not accura ...

6 <u>Building perceptual textures to visualize multidimensional datasets</u> Christopher G. Healey, James T. Enns

October 1998 Proceedings of the conference on Visualization '98

Publisher: IEEE Computer Society Press

Full text available: pdf(1.62

MB) ®
Publisher

Additional Information: full citation, refer

ublisher index terms

Site

Keywords: computer graphics, experimental design, human vision, mult dataset, oceanography, perception, preattentive processing, scientific vis typhoon

7 Computer analysis of user interfaces based on repetition in transcripts of us

Antonio C. Siochi, Roger W. Ehrich

October 1991 ACM Transactions on Information Systems (TOIS), Vol. Publisher: ACM Proces

Publisher: ACM Press

Full text available: pdf(1.74 Additional Information: full citation, reference MB)

MB)

index terms, reviewed

8 Detecting patterns and OLAP operations in the GOLD model

Juan Trujillo, Manuel Palomar, Jaime Gómez

November 1999 Proceedings of the 2nd ACM international workshop o warehousing and OLAP

Publisher: ACM Press

Full text available: pdf(785.68 Additional Information: full citation, abst KB) citings, index ten

The aim of our GOLD model ([7], [9]) is to provide an Object Oriented (Multidimensional data model supported by an OO formal specification is us to automatically generate prototypes from the specification at the continuous therefore, to animate and check system properties. Within the context of automatic prototyping, the basis of the mapping from modeling to progra on the identification of (cardinality and beh ...

- 9 Session 4 (full technical papers): evolution patterns and models: Evolution
- source software systems and communities

Kumiyo Nakakoji, Yasuhiro Yamamoto, Yoshiyuki Nishinaka, Kouichi Ki May 2002 Proceedings of the International Workshop on Principles of Evolution

Publisher: ACM Press

Full text available: pdf(1.06 Additional Information: full citation, abst or citings

Open-Source Software (OSS) development is regarded as a successful m "natural product evolution". To understand how this "natural product evolute have conducted a case study of four typical OSS projects. Unlike most p software evolution that focus on the evolution of the system per se, our s perspective: It examines not only the evolution of OSS systems, but also associated OSS communities, as well as th ...

Keywords: case study, open-source software (OSS), open-source software software evolution

10 Toward semantics-based answer pinpointing

Eduard Hovy, Laurie Gerber, Ulf Hermjakob, Chin-Yew Lin, Deepak Ravi March 2001 Proceedings of the first international conference on Human technology research HLT '01

Publisher: Association for Computational Linguistics

Full text available: pdf(81.10 Additional Information: full citation, abst KB) citings

We describe the treatment of questions (Question-Answer Typology, queresults) in the Weblcopedia question answering system.

11 The building blocks for specifying communication behavior of complex of

driven approach

Ling Liu, Robert Meersman

June 1996 ACM Transactions on Database Systems (TODS), Volume 2 Publisher: ACM Press

Full text available: pdf(699.84 Additional Information: full citation, abst KB) citings, index ten

Communication behavior represents dynamic evolution and cooperation objects in accomplishing a task. It is an important feature in object-orien propose the concept of activity as a basic building block for declarative s communication behavior in object-oriented database systems, including ordering of message exchanges within object communication and the bel relationships between activity executions. We formally introduce two ki

Keywords: activity aggregation, activity patterns, activity specialization behavior, first-order temporal logic, object-oriented databases, synchron

12 The LRPD test: speculative run-time parallelization of loops with privatiza

parallelization

Lawrence Rauchwerger, David Padua

June 1995 ACM SIGPLAN Notices, Proceedings of the ACM SIGPLA on Programming language design and implementation PLD Issue 6

Publisher: ACM Press

Full text available: pdf(1.74 Additional Information: full citation, abst mB)

Additional Information: full citation, abst citings, index ten

Current parallelizing compilers cannot identify a significant fraction of p because they have complex or statically insufficiently defined access pat parallelizable loops arise frequently in practice, we advocate a novel frar identification: speculatively execute the loop as a doall, and apply a fully dependence test to determine if it had any cross-iteration dependences; if the loop is re-executed serially. Since ...

13 Layered patterns for business interaction

Mikael Lind, Göran Goldkuhl

August 2001 ACM SIGGROUP Bulletin, Volume 22 Issue 2

Publisher: ACM Press

Full text available: pdf(888.60 KB) Additional Information: full citation, abst

Business modelling is needed in order to highlight the essentials of busin developing information systems. Patterns of inter-related speech acts are identifying essentials in Language/Action-oriented approaches for busing Weigand et al. has made an attempt to conceptualise the notion of pattern architecture founded in such approaches. In this paper we present a fram layered patterns for business interaction inspired by a critical ...

14 Coping with type casts in C

Michael Siff, Satish Chandra, Thomas Ball, Krishna Kunchithapadam, The October 1999 ACM SIGSOFT Software Engineering Notes, Proceedin European software engineering conference held jointly w SIGSOFT international symposium on Foundations of so

ESEC/FSE-7, Volume 24 Issue 6

Publisher: Springer-Verlag, ACM Press

Full text available: pdf(1.32 Additional Information: full citation, abst citings, index ten

The use of type casts is pervasive in C. Although casts provide great flex programs, their use obscures the meaning of programs, and can present c maintenance. Casts involving pointers to structures (C structs) are particle because by using them, a programmer can interpret any memory region t type, thereby compromising C's already weak type system. This paper profor making sense of such casts, i ...

15 Evaluation of an algorithm for finding a match of a distorted texture pattern database

N. Vujovic, D. Brzakovic

January 1998 ACM Transactions on Information Systems (TOIS), Volumblisher: ACM Press

Full text available: pdf(499.06 Additional Information: full citation, abst KB) index terms

Evaluation of an algorithm for finding a match for a random texture patter database is presented. The algorithm was designed assuming that the ran subject to misregistration relative to its representation in the database and may have missing parts. The potential applications involve authentication documents, bank notes, or credit cards, where thin fibers are embedded r document medium during medium fabrication. Th ...

Keywords: image database, image matching, misregistration, presentation random pattern

16 Activity patterns in health care: identifying building blocks for the CPR

Nathalie Habing, Jan Dietz, Berti Zwetsloot-Schonk

August 2001 ACM SIGGROUP Bulletin, Volume 22 Issue 2

Publisher: ACM Press

Full text available: pdf(809.54 Additional Information: full citation, abst KB) citings

Concerning the development and adoption of the computer-based patient

unsolved problem is still the approach that should be taken to construct a configurable, generic CPR. The first step in finding such an approach, is generic activity patterns. These are considered to be helpful in the identicomponents. We identified twelve generic activity patterns in the interac patient and a care-cluster.

17 Data remapping for design space optimization of embedded memory system

Rodric M. Rabbah, Krishna V. Palem

May 2003 ACM Transactions on Embedded Computing Systems (TEC 2

Publisher: ACM Press

Full text available: pdf(885.05 Additional Information: full citation, abst KB) citings, index ten

In this article, we present a novel linear time algorithm for *data remappi* lightweight; (ii) fully automated; and (iii) applicable in the context of po programming languages with dynamic memory allocation support. All p area lacks one or more of these features. We proceed to demonstrate a not this algorithm as a key step in optimizing the design of an embedded men Specifically, we show that by virtue of lo ...

Keywords: Design space exploration, caches, compiler optimization, da embedded systems, memory hierarchy, memory subsystem

18 Automatic hypertext link typing

James Allan

March 1996 Proceedings of the the seventh ACM conference on Hypert Publisher: ACM Press

Full text available: pdf(919.78 Additional Information: full citation, reference KB) index terms

Keywords: information retrieval, link generation, link types

19

Systems: Description of the SAIC DX system as used for MUC-6

Lance A. Miller

November 1993 Proceedings of the 6th conference on Message underst: Publisher: Association for Computational Linguistics

Full text available: pdf(776.43 Additional Information: full citation, abst

This is a very young project, operational for only a few months. The foci data-extraction, the identification of instances of data-classes in "commnewspapers, technical reports, business correspondence, intelligence briedata-classes in text are phrases which identify factual content, such as na organizations, products, financial amounts, quantities, and so forth.

20 <u>Decision lists for lexical ambiguity resolution: application to accent restora French</u>

David Yarowsky

June 1994 Proceedings of the 32nd annual meeting on Association for (Linguistics

Publisher: Association for Computational Linguistics

Full text available: pdf(962.09

KB) Additional Information: <u>full citation</u>, <u>abst</u>

<u>Publisher</u>

<u>citings</u>

Site

This paper presents a statistical decision procedure for lexical ambiguity algorithm exploits both local syntactic patterns and more distant collocat generating an efficient, effective, and highly perspicuous recipe for resol ambiguity. By identifying and utilizing only the single best disambiguati target context, the algorithm avoids the problematic complex modeling c dependencies. Although directly applicable to a wide cla ...

Results 1 - 20 of 200

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1 Workshop on Architecting Dependable Systems (WADS): An architectura

<u>functional dependability requirements</u>

Lihua Xu, Hadar Ziv, Debra Richardson, Thomas A. Alspaugh

May 2005 ACM SIGSOFT Software Engineering Notes, Proceedings (workshop on Architecting dependable systems WADS '05, \

Publisher: ACM Press

Full text available: pdf(192.90 Additional Information: full citation, abst KB) index terms

We address the research question of transforming dependability requiren corresponding software architecture constructs. by proposing first that de can be classified into three types of requirements and second, an architec allows requirements engineers and architects to map dependability requirements corresponding types of architectural components. The proposed pattern i work with existing requirements techniques and existi ...

Keywords: architecture patterns, aspects, nonfunctional requirements, so

2 Papers: Quantifiable architecting of dependable systems of embedded syste

Sheldon X. Liang, Valdis Berzins Luqi

November 2003 ACM SIGSOFT Software Engineering Notes, Volume **Publisher:** ACM Press

Full text available: pdf(839.26 Additional Information: full citation, abst KB)

Architecture is a critical aspect in the successful development and evolut systems of embedded systems (SoES). Quantifiably architecting such systems establishing consensus from the particular perspectives of quality attributhere are few established approaches for rapidly prototyping architecture architectural artifacts that carry quantifiable constraints throughout the soldevelopment processes. This paper presents a quantifiabl ...

Keywords: compatible composition and compositional patterns, quality quantifiable architecture and assessment

3 Second international workshop on model driven web engineering (MDWE)

development of user-friendly web applications

Ina Wentzlaff, Markus Specker

July 2006 Workshop proceedings of the sixth international conference engineering ICWE '06

Publisher: ACM Press

Full text available: pdf(274.96 KB) Additional Information: full citation, abst

Using patterns to preserve common problem-solving knowledge is a very Each computer science community applies its own techniques to docume principles for the handling of recurring software development questions various pattern collections were evolved for dealing with specific proble community. As a result comparable patterns or redundant pattern descript different collections leading unintentionally to a "rein ...

Keywords: design patterns, human-computer interaction, problem frame engineering, usability

4 Driving the composition of runtime platforms by architectural knowledge

Lothar Baum, Martin Becker, Lars Geyer, Georg Molter, Peter Sturm September 1998 Proceedings of the 8th ACM SIGOPS European works for composing distributed applications

Publisher: ACM Press

Full text available: pdf(650.77 Additional Information: full citation, inde KB)

5 Workshop papers: Architecture-based problem frames constructing for soft

CHU Wang, QIAN Depei, LIU Chuda

May 2006 Proceedings of the 2006 international workshop on Advance of problem frames IWAAPF '06

Publisher: ACM Press

Full text available: pdf(215.74 Additional Information: full citation, abst KB) index terms

Reusability is not universal property of program codes. The problem fran software component reuse effectively. The problem frames approach propoportunity for software developers to gain experience and expertise for This paper proposes architecture-based problem frames constructing protraceable problem patterns (business patterns and requirements patterns), between problem space and software requirements is estab ...

Keywords: architecture-based modeling, patterns, problem frames appro

6 Modularisation and composition of aspectual requirements

Awais Rashid, Ana Moreira, Joāo Araújo

March 2003 Proceedings of the 2nd international conference on Aspect development

Publisher: ACM Press

Full text available: pdf(1.06 Additional Information: full citation, abst citings, index ten

An effective requirements engineering (RE) approach must harmonise the separation of concerns with the need to satisfy broadly scoped requirements. Techniques such as use cases and viewpoints help achieve separation of concerns but ensuring their consistency with global requirements and counsupported. In this paper we propose an approach to modularise and co-crosscutting, aspectual requirements. The approach is based on ...

Keywords: aspect composition, aspect-oriented requirements engineerin

Results (page 1): +pattern +mapping +development +requireme... Page 4 of 10

offs, traceability

7 Software reuse

Charles W. Krueger

June 1992 ACM Computing Surveys (CSUR), Volume 24 Issue 2

Publisher: ACM Press

Full text available: pdf(4.96 Additional Information: full citation, abst citings, index ten

Software reuse is the process of creating software systems from existing building software systems from scratch. This simple yet powerful vision 1968. Software reuse has, however, failed to become a standard software practice. In an attempt to understand why, researchers have renewed their software reuse and in the obstacles to implementing it. This paper survey approaches to software reuse found in the ...

Keywords: abstraction, cognitive distance, software reuse

8 Pattern-based fault diagnosis using neural networks

W. E. Dietz, E. L. Kiech, M. Ali

June 1988 Proceedings of the 1st international conference on Industrial applications of artificial intelligence and expert systems - Vo'88

Publisher: ACM Press

Full text available: pdf(1.01 Additional Information: full citation, abst citings, index ten

The detection and diagnosis of faults in real time are active areas of reserbased expert systems. Several methods of diagnosis have been applied to physical systems. Rule-based approaches have been applied successfully However, encoding knowledge in rule bases raises many difficult knowlissues; in addition, rule-based systems are often too slow to be effectivel time environment. More advanced diagnostic syste ...

- 9 DAIDA: an environment for evolving information systems
- M. Jarke, J. Mylopoulos, J. W. Schmidt, Y. Vassiliou

January 1992 **ACM Transactions on Information Systems (TOIS)**, Volumblisher: ACM Press

Full text available: pdf(3.63 Additional Information: full citation, abst citings, index ten

We present a framework for the development of information systems bas that the knowledge that influences the development process needs to son represented, and managed if the development process is to be rationalize a prototype environment developed in ESPRIT project DAIDA demonst. The project has implemented an environment based on state-of-the-art la requirements modeling, design and implementation of informat ...

Keywords: knowledge engineering, mapping assistant, multi-level speci software information system, software process model

10 B2B e-commerce and enterprise integration: The application of reusable pa

business modeling in equipment management

Zhaojun Yang, Naiding Yang, Yali Zhang

August 2005 Proceedings of the 7th international conference on Electro ICEC '05

Publisher: ACM Press

Full text available: pdf(373.52 Additional Information: full citation, abst index terms

For current modeling methodologies lack of reusable technologies in bus relations between patterns and question domains are analyzed firstly, the modeling business based on analysis pattern and business pattern is prop of enterprise equipment management business modeling by applying me and resource allocation pattern is given.

Keywords: analysis pattern, business modeling, business pattern

- 11 Requirements engineering in the year 00: a research perspective
- Axel van Lamsweerde
 June 2000 Proceedings of the 22nd international conference on Softwar
 Publisher: ACM Press

Full text available: pdf(205.79 Additional Information: full citation, abst KB) citings, index ten

Requirements engineering (RE) is concerned with the identification of the achieved by the envisioned system, the operationalization of such goals is constraints, and the assignment of responsibilities for the resulting requirements as humans, devices, and software. The processes involved in RE in analysis, elicitation, specification, assessment, negotiation, documentatic Getting high-quality requirements is difficult and ...

12 UPi: a software development process aiming at usability, productivity and

Kenia Sousa, Elizabeth Furtado, Hildeberto Mendonça

October 2005 Proceedings of the 2005 Latin American conference on H interaction CLIHC '05

Publisher: ACM Press

Full text available: pdf(449.49 KB) Additional Information: full citation, abst

This paper presents the definition of a software development process (SI practices from Software Engineering (SE) and Human-Computer Interac three main goals. First, we intend to help professionals from both areas i interactive systems with usability. Second, we want to make HCI an esse processes by facilitating the communication between professionals from thus, bringing productivity to a new working environment. Third ...

Keywords: integration, productivity, return on investment, software dev usability

13 Industrial and practical experience track paper session 2: Diversified SCM

Japanese retail industry

Koichi Hayashi, Naoki Koguro, Reki Murakami

May 2005 Special interest tracks and posters of the 14th international (World Wide Web

Publisher: ACM Press

Full text available: pdf(623.54 Additional Information: full citation, abst KB) index terms

In this paper, we present the concept of a diversified SCM (supply chain

standard and distributed hub architecture which were used in B2B expe Japanese retail industry. The conventional concept of B2B standards dev set of business transactions to be supported. In contrast, our concept allo diverse business transaction patterns necessary for industry supply chain develops a standard SCM model that partitions the ...

Keywords: B2B collaboration, SOA (service oriented architecture), busi management, ebXML, retail industry, standardization, supply chain man services.

14 Fast formal analysis of requirements via "Topoi Diagrams"

Tim Menzies, John Powell, Michael E. Houle

July 2001 Proceedings of the 23rd International Conference on Softwa **Publisher:** IEEE Computer Society

Full text available: pdf(190.29

<u>KB)</u> Additional Information: full citation, abst Publisher

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Early testing of requirements can decrease the cost of removing errors in However, unless done carefully, that testing process can significantly ad requirements analysis. We show here that requirements expressed as top built and tested cheaply — using our SP2 algorithm, the formal tempora large class of topoi can be proven very quickly, in time nearly linear in t and edges in the diagram. T...

15 Development of computer-based information systems: a communication pe

Robert P. Bostrom

August 1984 ACM SIGCPR Computer Personnel, Volume 9 Issue 4

Publisher: ACM Press

Full text available: pdf(707.80 Additional Information: full citation, abst

It is still too often the case that Computer-Based Information Systems (C behind schedule, over cost, do not do as much as promised, and do not sa After 25 years of experience building these systems, why do these troubl arise? A good part of the answer is that the requirements for these systen accurately and/or completely in the first place. If the requirement statem

Results (page 1): +pattern +mapping +development +requireme... Page 8 of 10

or incomplete, how can the resulting syst ...

16 OO process and metrics for effort estimation

Granville Miller

January 1997 Addendum to the 1997 ACM SIGPLAN conference on Ol programming, systems, languages, and applications (Add

Publisher: ACM Press

Full text available: pdf(233.26 Additional Information: full citation, inde KB)

17 DDD papers: Software factories: assembling applications with patterns, mo

and tools

Jack Greenfield, Keith Short

October 2003 Companion of the 18th annual ACM SIGPLAN conferen oriented programming, systems, languages, and applicati

Publisher: ACM Press

Full text available: pdf(707.51 Additional Information: full citation, abst citings, index ten

The confluence of component based development, model driven develop product lines forms an approach to application development based on the software factories. This approach promises greater gains in productivity than those produced by incremental improvements to the current paradig orientation, which have not kept pace with innovation in platform technological factories promise to make application assembly more cost effective thro

Keywords: design patterns, domain-specific languages, model-driven de software factories, software product lines

18 Extending performance approaches to new application domains: Performance

development (PASD) using resource demand budgets

Khalid H. Siddiqui, C. M. Woodside

July 2002 Proceedings of the 3rd international workshop on Software: WOSP '02

Publisher: ACM Press

Full text available: pdf(137.49 Additional Information: full citation, abst KB) citings

Performance Aware Software Development (PASD) as described here conspecification, a model, and resource demand budgets. The budgets are placeted by the designers and managers, from the requirements and their contents of this approach are the *planning of budgets* for the resource de the parts and operations of the system, and a *validation check* (using the required performance. The paper starts from a ...

Keywords: performance budgets, performance prediction, performance scenario specification, software performance engineering

19 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 Proceedings of the 1997 conference of the Centre for A on Collaborative research

Publisher: IBM Press

Full text available: pdf(4.21 Additional Information: full citation, abst index terms

Understanding distributed applications is a tedious and difficult task. Vis on process-time diagrams are often used to obtain a better understanding the application. The visualization tool we use is Poet, an event tracer dev University of Waterloo. However, these diagrams are often very complet the user with the desired overview of the application. In our experience, repeated occurrences of non-trivial commun ...

20 A pattern-based application generator for building simulation

Martin Schuetze, Jan Peter Riegel, Gerhard Zimmermann November 1997 ACM SIGSOFT Software Engineering

November 1997 ACM SIGSOFT Software Engineering Notes, Proceed European conference held jointly with the 5th ACM SI international symposium on Foundations of software e '97/FSE-5, Volume 22 Issue 6

Publisher: Springer-Verlag New York, Inc., ACM Press

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4. Evaluation of the geographic informatic Lasselin, D.; Sempere, J.P.; Cantou, J.Ph.; Geoscience and Remote Sensing Symposi 2003 IEEE International Volume 1, 21-25 July 2003 Page(s):570 - Digital Object Identifier 10.1109/IGARSS AbstractPlus | Full Text: PDF(1609 KB) Rights and Permissions 5. GPR design and modeling for identifying П Properties
Lambot, S.; Slob, E.C.; van den Bosch, I.;
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11. Use of multiple cases in case-based desi Tanaka, T.; Hattori, M.; Sueda, N.; Artificial Intelligence for Applications, 19 Conference on 2-6 March 1992 Page(s):233 - 239 Digital Object Identifier 10.1109/CAIA.1 AbstractPlus | Full Text: PDF(572 KB) Rights and Permissions

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